WHAT IS CLAIMED IS:

1. A method for loading a medical device with a beneficial agent, the method comprising:

providing a medical device with a plurality of holes;

dispensing a beneficial agent through a dispenser into the plurality of holes by vibration of a portion of the dispenser to form a plurality of droplets; and

controlling a size of the droplets by controlling parameters of the vibration.

2. The method of Claim 1, further comprising controlling a number and location of the droplets with a central processing unit.

3. The method of Claim 2, further comprising observing the dispensing of the beneficial agent and returning observed data to the central processing unit for use in controlling the location of the droplets.

4. The method of Claim 1, wherein the dispenser uses vibration of a piezoelectric material.

5. The method of Claim 1, wherein the dispenser uses vibration of an acoustic transducer.

6. A method for loading a medical device with a beneficial agent, the method comprising:

providing a medical device to be provided with a therapeutic agent;

providing a dispenser containing a beneficial agent including a therapeutic agent and a volatile solvent;

delivering droplets of the beneficial agent to the medical device with the dispenser; and

inhibiting evaporation of the volatile solvent during delivery of the droplets by creating a cloud of vaporized solvent around an exit orifice of the dispenser.

7. The method of Claim 6, wherein the cloud is created by containment of the volatile solvent evaporating from the beneficial agent.

8. The method of Claim 6, wherein the cloud is created by delivery of the volatile solvent around the exit orifice from an auxiliary solvent source.

9. A system for loading a medical device with a beneficial agent, the system comprising:

a mandrel for supporting a medical device;

a dispenser for dispensing a beneficial agent into a plurality of holes in the medical device by vibration of a portion of the dispenser; and

a central processing unit for controlling a size of droplets of beneficial agent from the dispenser by controlling parameters of the vibration.

10. The system of Claim 9, wherein the central processing unit controls a number and location of the droplets.

11. The system of Claim 9, wherein the dispenser uses vibration of a piezoelectric material.

12. The system of Claim 9, wherein the dispenser uses vibration of an acoustic transducer.